BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Chikkachannappa Layout, Sree Archid Layout, KNV 2nd Stage Roads and Surrounding areas in Ward No. 14 (Vidyaranyapura).

Estimated Cost : Rs. 55.00 Lakhs

Job Code: 014-23-000012

Head of Account : P3726 Zonal Public Works

Name of Agency: M/s. Wisdom Constructions, Prop: Sri Ashray. N, No. 40, Sukruthi, 1st Main, Shanghog Narayanappa Layout, Tatanagara, Bangalore - 92.

Work Order: BBMP/EE/BTP/WO/184/2022-23 Dated: 20-03-2023.

	Date of Recording:	17-04-2023							
Sl No	**Description of work**	**Mesurement**						**Qty.**	**Unit**
		No.	**L**	**B1**	**B2**	**Av.B**	**D**		
1	Removing and resetting of footpath slab (Approved arrival rate)							Sqm	
	Covering Slab Drain								
	RR School Main Road R/S	1	6.20				1.20	7.44	
		1	6.80				1.20	8.16	
		1	5.80				1.20	6.96	
		1	6.50				1.20	7.80	
		1	4.50				1.20	5.40	
		1	8.30				1.20	9.96	
		1	9.50				1.20	11.40	
		1	4.80				1.20	5.76	
		1	4.80				1.20	5.76	
		1	5.50				1.20	6.60	
		1	12.60				1.20	15.12	
		1	4.20				1.20	5.04	
		1	6.10				1.20	7.32	
	RR School Main Road L/S								
		1	5.50				1.20	6.60	
		1	6.20				1.20	7.44	
		1	1.80				1.20	2.16	
		1	2.90				1.20	3.48	
		1	6.80				1.20	8.16	
		1	12.60				1.20	15.12	
		1	9.70				1.20	11.64	
	1st A Cross S/S								
	R/S	1	9.50				0.75	7.13	
		1	12.60				0.75	9.45	
		1	9.80				0.75	7.35	

Assistant Engineer

Contractor

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	L/S								
		1	10.60				0.75	7.95	
		1	13.50				0.75	10.13	
		1	12.50				0.75	9.38	
	2nd A Cross S/S								
	R/S	1	10.20				0.75	7.65	
		1	6.50				0.75	4.88	
		1	7.90				0.75	5.93	
		1	9.80				0.75	7.35	
		1	9.40				0.75	7.05	
		1	9.50				0.75	7.13	
	L/S								
		1	12.60				0.75	9.45	
		1	9.80				0.75	7.35	
		1	9.80				0.75	7.35	
		1	9.50				0.75	7.13	
		1	8.60				0.75	6.45	
	3rd A Cross S/S								
	R/S	1	12.50				0.75	9.38	
		1	9.60				0.75	7.20	
		1	12.60				0.75	9.45	
		1	8.90				0.75	6.68	
		1	10.90				0.75	8.18	
	L/S								
		1	9.50				0.75	7.13	
		1	8.50				0.75	6.38	
		1	8.50				0.75	6.38	
		1	12.60				0.75	9.45	
	1st Cross N/S								
	R/S	1	6.50				0.75	4.88	
		1	11.60				0.75	8.70	
		1	6.40				0.75	4.80	
		1	12.60				0.75	9.45	
	L/S								
		1	6.40				0.75	4.80	
		1	6.90				0.75	5.18	
		1	9.00				0.75	6.75	
		1	12.80				0.75	9.60	
		1	10.60				0.75	7.95	
	Cross Road								
	R/S	1	12.10				0.75	9.08	
		1	10.60				0.75	7.95	
	L/S								
		1	9.50				0.75	7.13	
		1	9.50				0.75	7.13	
	2nd Cross N/S								
	R/S	1	5.80				0.75	4.35	

Assistant Engineer

Contractor

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Vidyaranyapura Sub Divisio

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	5.00				0.75	3.75	
		1	5.90				0.75	4.43	
		1	8.90				0.75	6.68	
		1	7.60				0.75	5.70	
		1	9.80				0.75	7.35	
		1	5.50				0.75	4.13	
	L/S								
		1	6.40				0.75	4.80	
		1	10.20				0.75	7.65	
		1	8.90				0.75	6.68	
		1	5.90				0.75	4.43	
		1	4.70				0.75	3.53	
	Total							**513.42**	

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	26-04-2023							
2	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.							Cum	
	New Culvert								
	Chikkachannappa Layout 1st Cross	1	7.30			1.50	1.20	13.14	
	New RCC Drain								
	L/S	1	30.00			1.00	1.00	30.00	
		1	30.00			1.00	1.00	30.00	
		1	30.00			1.00	1.00	30.00	
		1	22.00			1.00	1.00	22.00	
	R/S								
		1	30.00			1.00	1.00	30.00	
		1	30.00			1.00	1.00	30.00	
		1	30.00			1.00	1.00	30.00	
		1	8.00			1.00	1.00	8.00	
	Desilting of Drain								
	RR School Main Road R/S	1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	11.00			0.60	0.60	3.96	
	RR School Main Road L/S								
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	

Assistant Engineer

Contractor

Assistant Executive Engineer

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	15.00			0.60	0.60	5.40	
		1	11.00			0.60	0.60	3.96	
	1st A Cross S/S								
	R/S	1	15.00			0.45	0.45	3.03	
		1	9.40			0.45	0.45	1.90	
		1	6.00			0.45	0.45	1.21	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	9.40			0.45	0.45	1.90	
		1	6.00			0.45	0.45	1.21	
	2nd A Cross S/S								
	R/S	1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	4.10			0.45	0.45	0.83	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	4.10			0.45	0.45	0.83	
	3rd A Cross S/S								
	R/S	1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	6.00			0.45	0.45	1.21	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	

Assistant Engineer

Contractor

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Vidyaranyapura

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	6.00			0.45	0.45	1.21	
	1st Cross N/S								
	R/S	1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	9.70			0.45	0.45	1.96	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	9.70			0.45	0.45	1.96	
	Cross Road								
	R/S	1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	2.50			0.45	0.45	0.50	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	2.50			0.45	0.45	0.50	
	2nd Cross N/S								
	R/S	1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	13.40			0.45	0.45	2.71	
	L/S								
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	15.00			0.45	0.45	3.03	
		1	13.40			0.45	0.45	2.71	
	Total Qty							**580.74**	
	Qty upto 125%							**377.70**	Cum
	Qty above 125%							**203.04**	Cum

Assistant Engineer

Contractor

Assistant Executive Engineer

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	03-07-2023							
3	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.							Cum	
	New Culvert								
	Chikkachannappa Layout 1st Cross	1	7.30			1.40	0.15	1.53	
	New RCC Drain								
	BNS Layout								
	L/S	1	30.00			1.00	0.15	4.50	
		1	30.00			1.00	0.15	4.50	
		1	30.00			1.00	0.15	4.50	
		1	22.00			1.00	0.15	3.30	
	R/S								
		1	30.00			1.00	0.15	4.50	
		1	30.00			1.00	0.15	4.50	
		1	30.00			1.00	0.15	4.50	
		1	8.00			1.00	0.15	1.20	
	Total Qty							**33.03**	
	Qty upto 125%							**4.05**	Cum
	Qty above 125%							**28.98**	Cum

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	07-07-2023							
4	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)							Cum	
	New SSM Wall for Culvert								
	1st Course								
	Chikkachannappa Layout 1st Cross	2	7.30			0.60	0.45	3.94	
	1st Course								
	Chikkachannappa Layout 1st Cross	2	7.30			0.45	0.45	2.96	
	Total							**6.90**	Cum

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B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	07-07-2023							
5	Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification.							Sqm	
	Pointing								
	Chikkachannappa Layout 1st Cross	2	7.30				0.90	13.14	
	Total							**13.14**	Sqm

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Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	12-07-2023							
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate**							Cum	
	Culvert Coping								
	Chikkachannappa Layout 1st Cross	1	7.30			1.20	0.10	0.88	
	Ramp								
	Chikkachannappa Layout 1st Cross	2	7.30			1.00	0.15	2.19	
	Total							**3.07**	Cum

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B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)							Cum	
	New RCC Drain								
	BNS Layout								
	L/S	1	30.00			0.90	0.15	4.05	
		1	30.00			0.90	0.15	4.05	
		1	30.00			0.90	0.15	4.05	
		1	22.00			0.90	0.15	2.97	
	R/S								
		1	30.00			0.90	0.15	4.05	
		1	30.00			0.90	0.15	4.05	
		1	30.00			0.90	0.15	4.05	
		1	8.00			0.90	0.15	1.08	
	Side Wal								
	BNS Layout								
	L/S	2	30.00			0.15	0.60	5.40	
		2	30.00			0.15	0.61	5.49	
		2	30.00			0.15	0.59	5.31	
		2	22.00			0.15	0.61	4.02	
	R/S								
		2	30.00			0.15	0.60	5.40	
		2	30.00			0.15	0.59	5.31	
		2	30.00			0.15	0.61	5.49	
		2	8.00			0.15	0.60	1.44	
								66.21	
	Total Qty							**66.15**	
	Qty upto 125%							**54.00**	Cum
	Qty above 125%							**12.15**	Cum

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Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
8	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.							Tonne	
	For Drain								
	U Shape Drains	**No**	**L**		**Mtrs**	**Kg/m**	**Kgs**		
	BNS Layout L/S								
	10 mm dia	934	2.10		1961.40	0.62	1216.07		
	8 mm dia	17	112.00		1904.00	0.39	742.56		
	Total						**1958.63**		
	RHS								
	10 mm dia	817	2.10		1715.70	0.62	1063.73		
	8 mm dia	17	98.00		1666.00	0.39	649.74		
	Total						**1713.47**		
	Grand Total						**3672.10**		
							3.67		
	Total Qty						**3.64**		Tonne
	Qty upto 125%						**3.24**		Tonne
	Qty above 125%						**0.40**		Tonne

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Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
11	Earth work in surface Excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth.							Cum	
	Road Work								
	RR School Main Road R/S	1	15.00	1.00	1.00	1.00	0.25	3.75	
		1	15.00	1.00	1.10	1.05	0.25	3.94	
		1	15.00	1.10	1.05	1.08	0.25	4.03	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.10	1.15	0.25	4.31	
		1	15.00	1.10	1.05	1.08	0.25	4.03	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.25	1.18	0.25	4.41	
		1	15.00	1.25	1.00	1.13	0.25	4.22	
		1	15.00	1.00	1.10	1.05	0.25	3.94	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.15	1.18	0.25	4.41	
		1	15.00	1.15	1.25	1.20	0.25	4.50	
		1	15.00	1.25	1.30	1.28	0.25	4.78	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.25	1.23	0.25	4.59	
		1	11.00	1.25	1.20	1.23	0.25	3.37	
	RR School Main Road L/S								
		1	15.00	1.00	1.30	1.15	0.25	4.31	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.15	1.18	0.25	4.41	
		1	15.00	1.15	1.05	1.10	0.25	4.13	
		1	15.00	1.05	1.00	1.03	0.25	3.84	
		1	15.00	1.00	1.05	1.03	0.25	3.84	
		1	15.00	1.05	1.20	1.13	0.25	4.22	
		1	15.00	1.20	1.05	1.13	0.25	4.22	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.30	1.25	0.25	4.69	
		1	15.00	1.30	1.05	1.18	0.25	4.41	
		1	15.00	1.05	1.25	1.15	0.25	4.31	
		1	15.00	1.25	1.30	1.28	0.25	4.78	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.30	1.25	0.25	4.69	
		1	15.00	1.30	1.25	1.28	0.25	4.78	

Assistant Engineer

Contractor

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	11.00	1.25	1.10	1.18	0.25	3.23	
	1st A Cross S/S	1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	9.40	0.90	0.95	0.93	0.25	2.17	
		1	6.00	0.95	0.95	0.95	0.25	1.43	
	2nd A Cross S/S	1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.95	0.90	0.25	3.38	
		1	4.10	0.95	0.90	0.93	0.25	0.95	
	3rd A Cross S/S	1	15.00	0.90	0.90	0.90	0.25	3.38	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	6.00	0.95	0.90	0.93	0.25	1.39	
	1st Cross N/S	1	15.00	1.20	0.95	1.08	0.25	4.03	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.90	0.88	0.25	3.28	
		1	9.70	0.90	0.85	0.88	0.25	2.12	
	Cross Road	1	15.00	1.10	0.90	1.00	0.25	3.75	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	2.50	0.95	0.90	0.93	0.25	0.58	
	2nd Cross N/S	1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	15.00	1.00	1.00	1.00	0.25	3.75	
		1	15.00	1.00	1.05	1.03	0.25	3.84	
		1	15.00	1.05	0.95	1.00	0.25	3.75	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	13.40	1.00	0.90	0.95	0.25	3.18	
	Total Qty							**250.54**	
	Qty upto 125%							**225.00**	Cum
	Qty above 125%							**25.54**	Cum

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Engineer

Contractor

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
12	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH							Cum	
	Road Work								
	RR School Main Road R/S	1	15.00	1.00	1.00	1.00	0.25	3.75	
		1	15.00	1.00	1.10	1.05	0.25	3.94	
		1	15.00	1.10	1.05	1.08	0.25	4.03	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.10	1.15	0.25	4.31	
		1	15.00	1.10	1.05	1.08	0.25	4.03	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.25	1.18	0.25	4.41	
		1	15.00	1.25	1.00	1.13	0.25	4.22	
		1	15.00	1.00	1.10	1.05	0.25	3.94	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.15	1.18	0.25	4.41	
		1	15.00	1.15	1.25	1.20	0.25	4.50	
		1	15.00	1.25	1.30	1.28	0.25	4.78	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.25	1.23	0.25	4.59	
		1	11.00	1.25	1.20	1.23	0.25	3.37	
	RR School Main Road L/S								
		1	15.00	1.00	1.30	1.15	0.25	4.31	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.15	1.18	0.25	4.41	
		1	15.00	1.15	1.05	1.10	0.25	4.13	
		1	15.00	1.05	1.00	1.03	0.25	3.84	
		1	15.00	1.00	1.05	1.03	0.25	3.84	
		1	15.00	1.05	1.20	1.13	0.25	4.22	
		1	15.00	1.20	1.05	1.13	0.25	4.22	
		1	15.00	1.05	1.10	1.08	0.25	4.03	
		1	15.00	1.10	1.20	1.15	0.25	4.31	
		1	15.00	1.20	1.30	1.25	0.25	4.69	
		1	15.00	1.30	1.05	1.18	0.25	4.41	
		1	15.00	1.05	1.25	1.15	0.25	4.31	
		1	15.00	1.25	1.30	1.28	0.25	4.78	
		1	15.00	1.30	1.20	1.25	0.25	4.69	
		1	15.00	1.20	1.30	1.25	0.25	4.69	
		1	15.00	1.30	1.25	1.28	0.25	4.78	
		1	11.00	1.25	1.10	1.18	0.25	3.23	
	1st A Cross S/S	1	15.00	0.95	0.90	0.93	0.25	3.47	

Assistant Engineer - 14

Contractor

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	9.40	0.90	0.95	0.93	0.25	2.17	
		1	6.00	0.95	0.95	0.95	0.25	1.43	
	2nd A Cross S/S	1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.95	0.90	0.25	3.38	
		1	4.10	0.95	0.90	0.93	0.25	0.95	
	3rd A Cross S/S	1	15.00	0.90	0.90	0.90	0.25	3.38	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	6.00	0.95	0.90	0.93	0.25	1.39	
	1st Cross N/S	1	15.00	1.20	0.95	1.08	0.25	4.03	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.90	0.88	0.25	3.28	
		1	9.70	0.90	0.85	0.88	0.25	2.12	
	Cross Road	1	15.00	1.10	0.90	1.00	0.25	3.75	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	2.50	0.95	0.90	0.93	0.25	0.58	
	2nd Cross N/S	1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	15.00	1.00	1.00	1.00	0.25	3.75	
		1	15.00	1.00	1.05	1.03	0.25	3.84	
		1	15.00	1.05	0.95	1.00	0.25	3.75	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	13.40	1.00	0.90	0.95	0.25	3.18	
	Total Qty							**250.54**	
	Qty upto 125%							**225.00**	Cum
	Qty above 125%							**25.54**	Cum

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
13	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means							Sqm	
	Road Work								
	RR School Main Road R/S	1	15.00	1.00	1.00	1.00		15.00	
		1	15.00	1.00	1.10	1.05		15.75	
		1	15.00	1.10	1.05	1.08		16.13	
		1	15.00	1.05	1.10	1.08		16.13	
		1	15.00	1.10	1.20	1.15		17.25	
		1	15.00	1.20	1.10	1.15		17.25	
		1	15.00	1.10	1.05	1.08		16.13	
		1	15.00	1.05	1.10	1.08		16.13	
		1	15.00	1.10	1.25	1.18		17.63	
		1	15.00	1.25	1.00	1.13		16.88	
		1	15.00	1.00	1.10	1.05		15.75	
		1	15.00	1.10	1.20	1.15		17.25	
		1	15.00	1.20	1.15	1.18		17.63	
		1	15.00	1.15	1.25	1.20		18.00	
		1	15.00	1.25	1.30	1.28		19.13	
		1	15.00	1.30	1.20	1.25		18.75	
		1	15.00	1.20	1.25	1.23		18.38	
		1	11.00	1.25	1.20	1.23		13.48	
	RR School Main Road L/S								
		1	15.00	1.00	1.30	1.15		17.25	
		1	15.00	1.30	1.20	1.25		18.75	
		1	15.00	1.20	1.15	1.18		17.63	
		1	15.00	1.15	1.05	1.10		16.50	
		1	15.00	1.05	1.00	1.03		15.38	
		1	15.00	1.00	1.05	1.03		15.38	
		1	15.00	1.05	1.20	1.13		16.88	
		1	15.00	1.20	1.05	1.13		16.88	
		1	15.00	1.05	1.10	1.08		16.13	
		1	15.00	1.10	1.20	1.15		17.25	
		1	15.00	1.20	1.30	1.25		18.75	
		1	15.00	1.30	1.05	1.18		17.63	
		1	15.00	1.05	1.25	1.15		17.25	
		1	15.00	1.25	1.30	1.28		19.13	
		1	15.00	1.30	1.20	1.25		18.75	
		1	15.00	1.20	1.30	1.25		18.75	
		1	15.00	1.30	1.25	1.28		19.13	
		1	11.00	1.25	1.10	1.18		12.93	
	1st A Cross S/S	1	15.00	0.95	0.90	0.93		13.88	
		1	9.40	0.90	0.95	0.93		8.70	
		1	6.00	0.95	0.95	0.95		5.70	

Assistant Engineer – 14

Contractor

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	2nd A Cross S/S	1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	0.95	0.95		14.25	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.95	0.90		13.50	
		1	4.10	0.95	0.90	0.93		3.79	
	3rd A Cross S/S	1	15.00	0.90	0.90	0.90		13.50	
		1	15.00	0.90	0.95	0.93		13.88	
		1	15.00	0.95	0.95	0.95		14.25	
		1	15.00	0.95	0.95	0.95		14.25	
		1	15.00	0.95	0.95	0.95		14.25	
		1	6.00	0.95	0.90	0.93		5.55	
	1st Cross N/S	1	15.00	1.20	0.95	1.08		16.13	
		1	15.00	0.95	0.95	0.95		14.25	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.90	0.88		13.13	
		1	9.70	0.90	0.85	0.88		8.49	
	Cross Road	1	15.00	1.10	0.90	1.00		15.00	
		1	15.00	0.90	0.95	0.93		13.88	
		1	2.50	0.95	0.90	0.93		2.31	
	2nd Cross N/S	1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	1.00	1.00		15.00	
		1	15.00	1.00	1.05	1.03		15.38	
		1	15.00	1.05	0.95	1.00		15.00	
		1	15.00	0.95	1.00	0.98		14.63	
		1	13.40	1.00	0.90	0.95		12.73	
	Total							**1002.17**	Sqm

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
14	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects							Cum	
	Road Work								
	RR School Main Road R/S	1	15.00	1.00	1.00	1.00	0.05	0.75	
		1	15.00	1.00	1.10	1.05	0.05	0.79	
		1	15.00	1.10	1.05	1.08	0.05	0.81	
		1	15.00	1.05	1.10	1.08	0.05	0.81	
		1	15.00	1.10	1.20	1.15	0.05	0.86	
		1	15.00	1.20	1.10	1.15	0.05	0.86	
		1	15.00	1.10	1.05	1.08	0.05	0.81	
		1	15.00	1.05	1.10	1.08	0.05	0.81	
		1	15.00	1.10	1.25	1.18	0.05	0.88	
		1	15.00	1.25	1.00	1.13	0.05	0.84	
		1	15.00	1.00	1.10	1.05	0.05	0.79	
		1	15.00	1.10	1.20	1.15	0.05	0.86	
		1	15.00	1.20	1.15	1.18	0.05	0.88	
		1	15.00	1.15	1.25	1.20	0.05	0.90	
		1	15.00	1.25	1.30	1.28	0.05	0.96	
		1	15.00	1.30	1.20	1.25	0.05	0.94	
		1	15.00	1.20	1.25	1.23	0.05	0.92	
		1	11.00	1.25	1.20	1.23	0.05	0.67	
	RR School Main Road L/S								
		1	15.00	1.00	1.30	1.15	0.05	0.86	
		1	15.00	1.30	1.20	1.25	0.05	0.94	
		1	15.00	1.20	1.15	1.18	0.05	0.88	
		1	15.00	1.15	1.05	1.10	0.05	0.83	
		1	15.00	1.05	1.00	1.03	0.05	0.77	
		1	15.00	1.00	1.05	1.03	0.05	0.77	
		1	15.00	1.05	1.20	1.13	0.05	0.84	
		1	15.00	1.20	1.05	1.13	0.05	0.84	
		1	15.00	1.05	1.10	1.08	0.05	0.81	
		1	15.00	1.10	1.20	1.15	0.05	0.86	
		1	15.00	1.20	1.30	1.25	0.05	0.94	
		1	15.00	1.30	1.05	1.18	0.05	0.88	
		1	15.00	1.05	1.25	1.15	0.05	0.86	
		1	15.00	1.25	1.30	1.28	0.05	0.96	
		1	15.00	1.30	1.20	1.25	0.05	0.94	
		1	15.00	1.20	1.30	1.25	0.05	0.94	
		1	15.00	1.30	1.25	1.28	0.05	0.96	
		1	11.00	1.25	1.10	1.18	0.05	0.65	

Assistant Engineer

Contractor

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	1st A Cross S/S	1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	9.40	0.90	0.95	0.93	0.05	0.43	
		1	6.00	0.95	0.95	0.95	0.05	0.29	
	2nd A Cross S/S	1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	0.95	0.95	0.05	0.71	
		1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.95	0.90	0.05	0.68	
		1	4.10	0.95	0.90	0.93	0.05	0.19	
	3rd A Cross S/S	1	15.00	0.90	0.90	0.90	0.05	0.68	
		1	15.00	0.90	0.95	0.93	0.05	0.69	
		1	15.00	0.95	0.95	0.95	0.05	0.71	
		1	15.00	0.95	0.95	0.95	0.05	0.71	
		1	15.00	0.95	0.95	0.95	0.05	0.71	
		1	6.00	0.95	0.90	0.93	0.05	0.28	
	1st Cross N/S	1	15.00	1.20	0.95	1.08	0.05	0.84	
		1	15.00	0.95	0.95	0.95	0.05	0.71	
		1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.90	0.88	0.05	0.66	
		1	9.70	0.90	0.85	0.88	0.05	0.42	
	Cross Road	1	15.00	1.10	0.90	1.00	0.05	0.75	
		1	15.00	0.90	0.95	0.93	0.05	0.69	
		1	2.50	0.95	0.90	0.93	0.05	0.12	
	2nd Cross N/S	1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	1.00	1.00	0.05	0.75	
		1	15.00	1.00	1.05	1.03	0.05	0.77	
		1	15.00	1.05	0.95	1.00	0.05	0.75	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	13.40	1.00	0.90	0.95	0.05	0.64	
	Total							**50.11**	Cum

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Engineer

Contractor

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
	Date of Recording:	10-08-2023							
15	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification							Sqm	
	Road Work								
	RR School Main Road	1	15.00	4.60	4.10	4.35		65.25	
		1	15.00	4.10	4.80	4.45		66.75	
		1	15.00	4.80	5.05	4.93		73.88	
		1	15.00	5.05	4.40	4.73		70.88	
		1	15.00	4.40	5.50	4.95		74.25	
		1	15.00	5.50	5.25	5.38		80.63	
		1	15.00	5.25	4.60	4.93		73.88	
		1	15.00	4.60	4.40	4.50		67.50	
		1	15.00	4.40	4.50	4.45		66.75	
		1	15.00	4.50	4.00	4.25		63.75	
		1	15.00	4.00	4.00	4.00		60.00	
		1	15.00	4.00	4.40	4.20		63.00	
		1	15.00	4.40	4.80	4.60		69.00	
		1	15.00	4.80	4.70	4.75		71.25	
		1	15.00	4.70	4.80	4.75		71.25	
		1	15.00	4.80	4.50	4.65		69.75	
		1	15.00	4.50	4.90	4.70		70.50	
		1	11.00	4.90	4.70	4.80		52.80	
	1st A Cross S/S	1	15.00	4.70	3.70	4.20		63.00	
		1	9.40	3.70	3.80	3.75		35.25	
		1	6.00	2.90	3.20	3.05		18.30	
	2nd A Cross S/S	1	15.00	5.30	4.90	5.10		76.50	
		1	15.00	4.90	5.20	5.05		75.75	
		1	15.00	5.20	4.90	5.05		75.75	
		1	15.00	4.90	3.80	4.35		65.25	
		1	15.00	3.80	4.40	4.10		61.50	
		1	4.10	4.40	4.30	4.35		17.84	
	3rd A Cross S/S	1	15.00	3.80	3.90	3.85		57.75	
		1	15.00	3.90	3.50	3.70		55.50	
		1	15.00	3.50	3.90	3.70		55.50	
		1	15.00	3.90	3.70	3.80		57.00	
		1	15.00	3.70	3.90	3.80		57.00	
		1	6.00	3.90	4.20	4.05		24.30	
	1st Cross N/S	1	15.00	3.70	3.40	3.55		53.25	
		1	15.00	3.40	3.50	3.45		51.75	
		1	15.00	3.50	4.10	3.80		57.00	
		1	15.00	4.10	4.15	4.13		61.88	

Assistant Engineer -14

Contractor

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer

Sl No	Description of work	Mesurement						Qty.	Unit
		No.	L	B1	B2	Av.B	D		
		1	15.00	4.15	3.90	4.03		60.38	
		1	9.70	3.90	4.00	3.95		38.32	
	Cross Road	1	15.00	4.50	3.20	3.85		57.75	
		1	15.00	3.20	4.10	3.65		54.75	
		1	2.50	4.10	5.50	4.80		12.00	
	2nd Cross N/S	1	15.00	4.00	3.70	3.85		57.75	
		1	15.00	3.70	4.05	3.88		58.13	
		1	15.00	4.05	4.30	4.18		62.63	
		1	15.00	4.30	4.10	4.20		63.00	
		1	15.00	4.10	4.30	4.20		63.00	
		1	15.00	4.30	4.60	4.45		66.75	
		1	13.40	4.60	4.50	4.55		60.97	
	Pot Holes								
	RR School Main Road	1	3.50			1.80		6.30	
		1	5.50			3.20		17.60	
		1	5.00			2.80		14.00	
		1	6.60			1.80		11.88	
		1	4.30			3.20		13.76	
		1	10.00			3.80		38.00	
	Total							**3008.06**	Sqm

Assistant Engineer
Ward No. 14, Vidyaranyapura

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Vidyaranyapura Sub Division

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B.B.M.P, Bangalore - 97